

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. W A D 9 8 0 7 3 8 5 4 6	Manifest Document No. 050031	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.																									
3. Generator's Name and Mailing Address Alaskan Copper Works P.O. Box 3546, Seattle, WA 98124				A. State Manifest Document Number																										
4. Generator's Phone ( 206 ) 382-8379				B. State Generator's ID																										
5. Transporter 1 Company Name <i>PHILIP TRANSPORTATION + REMEDIATION</i>				C. State Transporter's ID																										
6. Transporter 1 US EPA ID Number <i>CAID 063547996</i>				D. Transporter's Phone <i>800 321-1030</i>																										
7. Transporter 2 Company Name				E. State Transporter's ID																										
8. US EPA ID Number				F. Transporter's Phone																										
9. Designated Facility Name and Site Address World Resources Company 8113 W. Sherman St. Tolleson, Arizona 85353-4025				G. State Facility's ID																										
10. US EPA ID Number <i>A Z D 9 8 0 7 3 5 5 0 0</i>				H. Facility's Phone <i>800-972-1955</i>																										
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)				12. Containers	13. Total Quantity																									
<table border="1"> <thead> <tr> <th>HM</th> <th>No.</th> <th>Type</th> <th>Unit Wt/Vol</th> <th>Waste No.</th> </tr> </thead> <tbody> <tr> <td>a.</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>b.</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>c.</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>d.</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				HM	No.	Type	Unit Wt/Vol	Waste No.	a.					b.					c.					d.						
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16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																														
Printed/Typed Name <i>GAROLD THOMPSON</i>				Signature <i>[Signature]</i>																										
17. Transporter 1 Acknowledgement of Receipt of Materials				Month Day Year <i>05/18/05</i>																										
Printed/Typed Name <i>J. S. TATMAN</i>				Signature <i>[Signature]</i>																										
18. Transporter 2 Acknowledgement of Receipt of Materials				Month Day Year																										
Printed/Typed Name				Signature																										
19. Discrepancy Indication Space				Month Day Year																										
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.																														
Printed/Typed Name <i>Armando Chavez</i>				Signature <i>Armando Chavez</i>																										
				Month Day Year <i>05/27/05</i>																										



WORLD RESOURCES  
09:11AM 05/27/2005

GROSS 1511 lb

TARE 77 lb

NET 1434 lb

WORLD RESOURCES

09:12AM 05/27/2005

GROSS 1216 lb

TARE 77 lb

NET 1139 lb

ACCUM 2573 lb


05/27/2005 09:13AM

1.29  
Tons

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>WAD98073854625003</b>		Manifest Document No. <b>625003</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address <b>Alaskan Copper Works P.O. Box 3546, Seattle, WA 98124</b>						A. State Manifest Document Number							
4. Generator's Phone ( <b>206</b> ) <b>382-8379</b>						B. State Generator's ID							
5. Transporter 1 Company Name <b>Philip</b>						C. State Transporter's ID							
6. Transporter 1 US EPA ID Number <b>CA D 063547796</b>						D. Transporter's Phone <b>800 321-1030</b>							
7. Transporter 2 Company Name						E. State Transporter's ID							
8. US EPA ID Number						F. Transporter's Phone							
9. Designated Facility Name and Site Address <b>World Resources Company 8113 W. Sherman St. Tolleson, Arizona 85353-4025</b>						G. State Facility's ID							
10. US EPA ID Number <b>AZD980735500</b>						H. Facility's Phone <b>800-972-1956</b>							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. <b>RM</b> <b>RQ, Hazardous waste, solid, n.o.s., (F006), 9, NA3077, III</b>						No. <b>067</b>		Type <b>CF</b>		<b>0.2742</b>		<b>P</b>	
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
15. Special Handling Instructions and Additional Information <b>24 Hour Emergency Response: 1-800-424-9300 CHEMTREC (Use CHEMTREC company code "WORR") (Emergency call pager # 206-648-8423) Wear gloves &amp; goggles</b> <b>PO # m 96152</b>													
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Printed/Typed Name <b>George T. Hansen</b>						Signature <i>[Signature]</i>				Month Day Year <b>01/11/05</b>			
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name <b>Si H TAT HAN</b>				Signature <i>[Signature]</i>		Month Day Year <b>01/11/05</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space <b>0000</b>													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						Printed/Typed Name <i>[Signature]</i>				Signature <i>[Signature]</i>		Month Day Year	

**GENERATOR COPY**

AKC-0016796

	<b>WORLD RESOURCES COMPANY</b> ARIZONA RECYCLING FACILITY <i>In partnership with the environment</i>	<b>LDRN</b> <b>LAND DISPOSAL RESTRICTION NOTICE</b>
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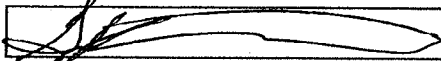
# F006

A copy of this Notice must be retained by the Generator for at least three (3) years, pursuant to U.S. EPA Regulation 40 CFR §268.7(a)(8). Moreover, the Generator should check the hazardous-waste regulations of his/her own State, inasmuch as, if there is a State analogue to the federal regulation, it may require a longer retention time, such as five (5) years. It should also be noted that the federal regulation--and, typically, State analogues as well--requires the retention period to be extended further in specified cases.

<b>To:</b> <b>WORLD RESOURCES COMPANY</b>	8113 West Sherman Street, Tolleson AZ 85353-4025
<b>From:</b> COMPANY NAME: Alaskan Copper Works	COMPANY ADDRESS: P.O. Box 3546, Seattle, WA 98124
<b>MANIFEST NUMBER:</b> 05003	<b>DATE OF SHIPMENT:</b> 05-18-05

This shipment of material is subject to the land disposal restrictions of 40 CFR Part 268.  
 The applicable land disposal restriction information, provided in accordance with 40 CFR §268.7(a)(2), is as shown in this table ↓

EPA Material Number	Treatability Group	CFR Reference for Treatment Standards
F006	non-wastewater	40 CFR §268.40

<b>SIGNATURE:</b>  <b>NAME PRINTED:</b> Gerard Thompson	<b>TITLE:</b> Environmental Assistant <b>DATE:</b> 05-18-05
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## Instructions for Completion of this Land Disposal Restriction Notice [LDRN]

This LDRN has been prepared based on a listed material--F006--as the primary designation of the material. This designation is based on information furnished by the Generator of the material. While it is believed to be accurate, it is the Generator's responsibility to determine whether his/her material is restricted from land disposal, and to correctly complete the LDR Notice [as stated in 40 CFR §268.7(a)(2)].

An F006 designation on the LDRN includes the following constituents: cadmium [D006], chromium [D007], lead [D008], silver [D011], cyanide, and nickel. However, the designation does not include arsenic [D004], barium [D005], mercury [D009], or selenium [D010]. If your F006 material contains any of those four constituents not included in the F006 designation, then use the following instructions.

In determining the need for any additional entries on the LDRN for the F006 material, the levels of arsenic, barium, mercury and selenium must be examined to determine if the levels equal or exceed the threshold concentrations of constituents for the Toxicity Characteristic limit as identified in 40 CFR §261.24 (Table 1), as shown in the left-hand column of the table below [as stated in 40 CFR §268.9].

If (after testing or based upon the generator's knowledge of the material) each metal level does not equal the Toxicity Characteristic level shown below, then no additional entry is required on the LDR Notice. If the level is known to be or determined to be equal to or above the limit shown below for any of these metals, then the appropriate information corresponding to that individual metal (in the right-hand column below) must be added to the LDR Notice.

REFERENCE INFORMATION TOXICITY CHARACTERISTIC		APPROPRIATE ENTRY ON LDR NOTICE		
Metal	Concentration Level	EPA Material Number	Treatability Group	CFR Reference for Treatment Standards
ARSENIC	5.0 mg/l	D004	non-wastewater	40 CFR §268.40
BARIUM	100 mg/l	D005	non-wastewater	40 CFR §268.40
MERCURY	.02 mg/l	D009	non-wastewater	40 CFR §268.40
SELENIUM	1.0 mg/l	D010	non-wastewater	40 CFR §268.40

**F006 GENERATORS**

# Material Safety Data Sheet

MSDS ID # AZ-10-B

F006 Recyclable Material (Filter Cake)

Recycler:

**World Resources Company**

8113 West Sherman Street

Tolleson, Arizona 85353-4025

Tel: 602-233-9166 Fax: 623-936-9164

January 2005 DLS

Call CHEMTREC only in the event of  
emergencies during shipping that  
involve a spill, leak, fire or accident  
(all calls are recorded)

For Emergencies During Shipping in  
the US or Canada, Day or Night,

Call: **CHEMTREC 800-424-9300**

Use CHEMTREC Company Code "WORR"

From other countries call: 703-527-3887

## Section 1

## Material Identification

**EPA Waste Classification:** F006**Generic Name:** Electroplating/Metal-Finishing Wastewater Treatment Sludge**Chemical Family:** Metallic (Hydroxide) Precipitates**Synonym:** Non-ferrous Metal Hydroxide Filter Cake**DOT Shipping Name:** RQ, Hazardous waste solid, n.o.s. (F006)**DOT Hazard Class:** 9**DOT Packing Group:** III**DOT Identification Number:** NA 3077

Guide 171 of the North American Emergency Response Guidebook Applies

## Section 2

## Hazardous Ingredients

Ingredient:	CAS Number:	Content (%):	OSHA PEL (8hr TWA):	Toxicology (rat, oral):
Copper Hydroxide	20427-59-2	0 - 30	1.0 mg(Cu)/m <sup>3</sup> (Dust)	LD-50 1,000 mg/kg
Nickel Hydroxide	12054-48-7	0 - 15	1.0 mg(Ni)/m <sup>3</sup> (Dust)	LD-50 1,500 mg/kg
Calcium Hydroxide	1305-62-0	0 - 15	15.0 mg/m <sup>3</sup> (Dust)	LD-50 7,340 mg/kg
Diatomite	61790-53-2	0 - 10	6.0 mg/m <sup>3</sup> (Dust)	LD-50 Not Determined

## Section 3

## Physical and Reactivity Data

**Description:** Solid, Clay-like, Gray/Green  
to Brown, Moisture ~ 30 - 80%**Density:** 50 - 90 lbs/ft<sup>3</sup>**Incompatible Reactivity:** None Known**Specific Gravity:** 2.5 to 3.5**Vapor Pressure:** Insignificant**Solubility:** Insoluble in Water**Stability:** Avoid Contact with Acids**Boiling Point:** Above 2,600°C**Melting Point:** Above 1,800°C**pH:** 7.0 to 10.0 **Odor:** Nil**Polymerization:** Will Not Occur

## Section 4

## Fire and Explosion Data

**Flashpoint:** Nonflammable**Special Firefighting Procedures:** None**Decomposition (Due to Fire or Explosion):** None**Oxidation:** Non-oxidizing**Explosive:** Non-explosive**NFPA  
Fire Diamond**

## Section 5

## Toxicity

**Listed Carcinogen Components:** Nickel**Toxicology:** See Sec. 2**Route of Entry:** Inhalation, Ingestion

## Section 6

## Health Effects and First Aid

**Inhalation:** Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.**Ingestion:** Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.**Eyes:** Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.**Skin:** Dust may irritate skin with prolonged contact. Wash with soap and water.**Comments:** Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions. Unprotected long-term overexposure may cause effects to the following target organs or body systems - blood, digestive, respiratory, liver, kidneys and skin.

## Section 7

## Precautions for Safe Handling

**Handling:** Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment (PPE) be used by personnel who will come in contact with this material. The PPE should include eye protection, respirator and gloves.**Storage:** Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover to protect from rain.**Spills:** Use cleaning procedures that avoid creating excessive dust. Vacuum when possible. Package material and ship to consignee or return to World Resources Company at the above address.

## Section 8

## Control Measures

**Respiratory Protection:** NIOSH-MSHA approved respirators as required.**Eye Protection:** Safety glasses recommended.**Other Protective Equipment:** Coveralls are recommended, but not required.**Hand Protection:** Gloves recommended.

## Section 9

## Generator's Verification

This MSDS describes the material listed in the attached Manifest #: 05003**Company Name:** Alaskan Copper Works**Company Address:** P.O. Box 3546, Seattle, WA 98124**Telephone:** 206-382-8379**Date:** 05-18-05**Signature:**



178-73426

**P.O.:**

DATE: 5-18-05

SHIPPER WALSHMAN (OFFICE WORK)  
ADDRESS 3200 SIXTH AVENUE SOUTH  
CITY SEATTLE, WA. 98124  
CONTACT \_\_\_\_\_  
CUST. PHONE \_\_\_\_\_

CONSIGNEE WORLD RESOURCES COMPANY  
ADDRESS 6113 W. SHEDDEN ST.  
CITY TOLLESON AZ. 85353-4025  
CONTACT \_\_\_\_\_  
CUST. PHONE \_\_\_\_\_



[illegible]

**TERMS:** Net 30 days. Consignee to pay any legal fees for collection of delinquent accounts, plus the legal rate of interest of 1½ % per month or 18 % per year will be charged for all past due accounts. We make all deliveries inside curb and on lot at customer's risk only and accept no responsibility for damages resulting from such deliveries. Claims for short or damage or overcharge must be filed with this receipt within 10 days.







REQUESTED BY 	DATE 5/18/05	APPROVED BY 	DATE 5/19/05
<input type="checkbox"/> HERE FOR RETURN OF YELLOW COPY PURPOSE OR USE		TO BE FILLED IN BY PURCHASING DEPT. P.O. NUMBER M 96157	
DELIVERY NEEDED BY		VENDOR World Resources	
SHIP TO ADDRESS		CONTACT	TELEPHONE NO.
SUGGESTED VENDOR World Resources		DELIVERY PROMISED	SHIP VIA Best Way



05/13/2005

**World Resources Company**

Page 1 of 1

Sent To: **Gerald Thompson**  
Company: **ALASKAN COPPER WORKS**  
Address: **3200 SIXTH AVENUE SOUTH**

Phone: 206-382-8379  
Fax: 206-382-4309

From: **Asa Reynolds & Jerry Bellamy**  
Company: **World Resources Company**  
Address: **8113 W. Sherman St.**  
**Tolleson, AZ 85353-4025**  
Phone: (800) 972-1955  
Fax: (800) 286-6804  
Fax in AZ: (623) 936-8102

PAID  
5/13/05

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**Generator Notification**

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Take notice of the following information concerning the pickup of your material!

Carrier: **Phillip Transportation and Remediation, Inc.**  
Contact: **Conley Shepard**  
Phone: **602-252-1186**  
EPA ID#: **CAD063547996**

Pickup Date: **5/18/2005**  
Quantity: **2 CF/BX**  
Est. Weight: **2618 lbs.**

Have the following documents and material completed and available prior to the scheduled pick up.

- A. Completed Manifest.
- B. Land Disposal Restriction Notice (LDRN) - retain the copies you may need for EPA or State environmental agency audits.
- C. Material Safety Data Sheet (MSDS) or a copy of the DOT Emergency Response Guide 171.
- D. CHEMTREC 24 hour Emergency Response Number (1-800-424-9300) in block #15 on the manifest.
- E. Material ready for shipping.

**NOTE:**

1. The company, named above, agrees to inform WRC in advance of any changes in its process that would render the Recyclable Material's description on the then-current profile sheet materially inaccurate or incomplete.
2. When shipping multiple waste streams from the same physical plant, on the same calendar date, in the same transport vehicle, please mark the top of the IBC with the appropriate symbol (i.e. A2, B2, B3, etc.) to indicate the waste stream. For bulk bins, indicate by marking the waste stream on the hazardous waste label.

Please direct any questions or concerns to: Asa Reynolds (ext. 205) or Jerry Bellamy (ext. 208) at: (800) 972-1955.

As always... Thank you for your business!